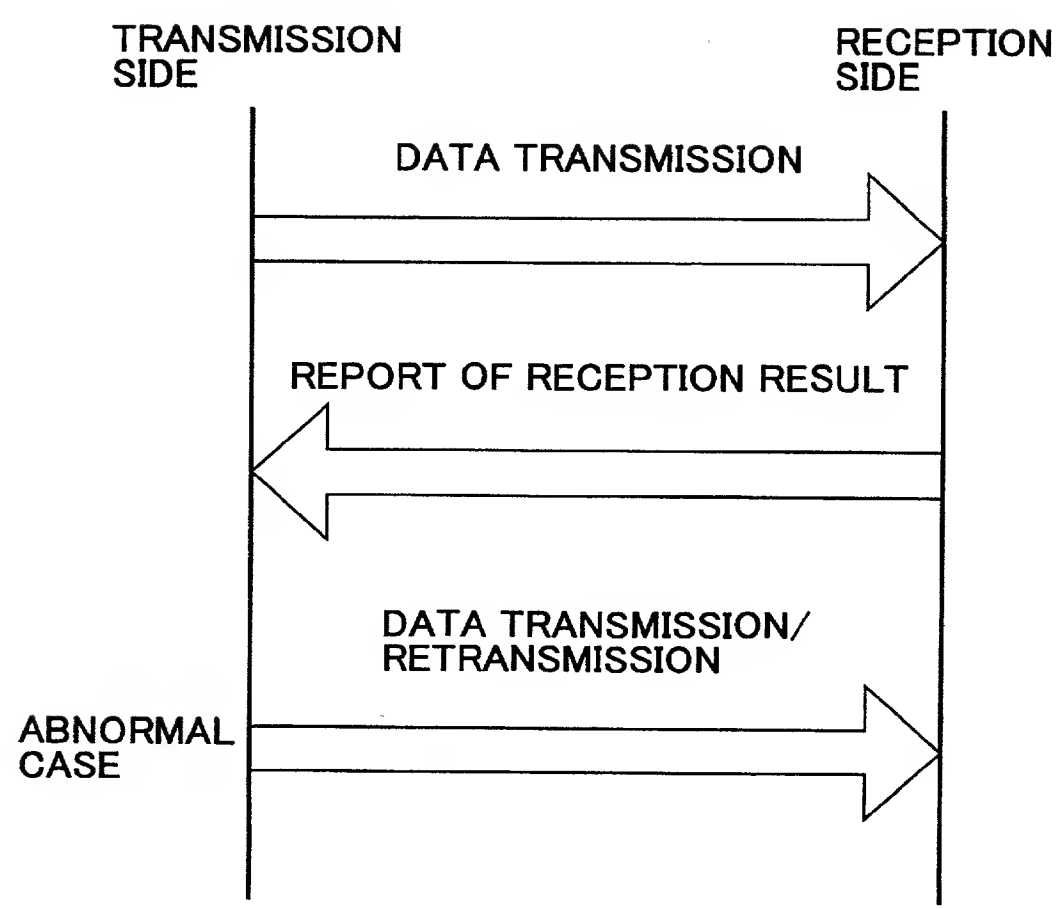


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FIG.1



DocId: 32056660

FIG.2

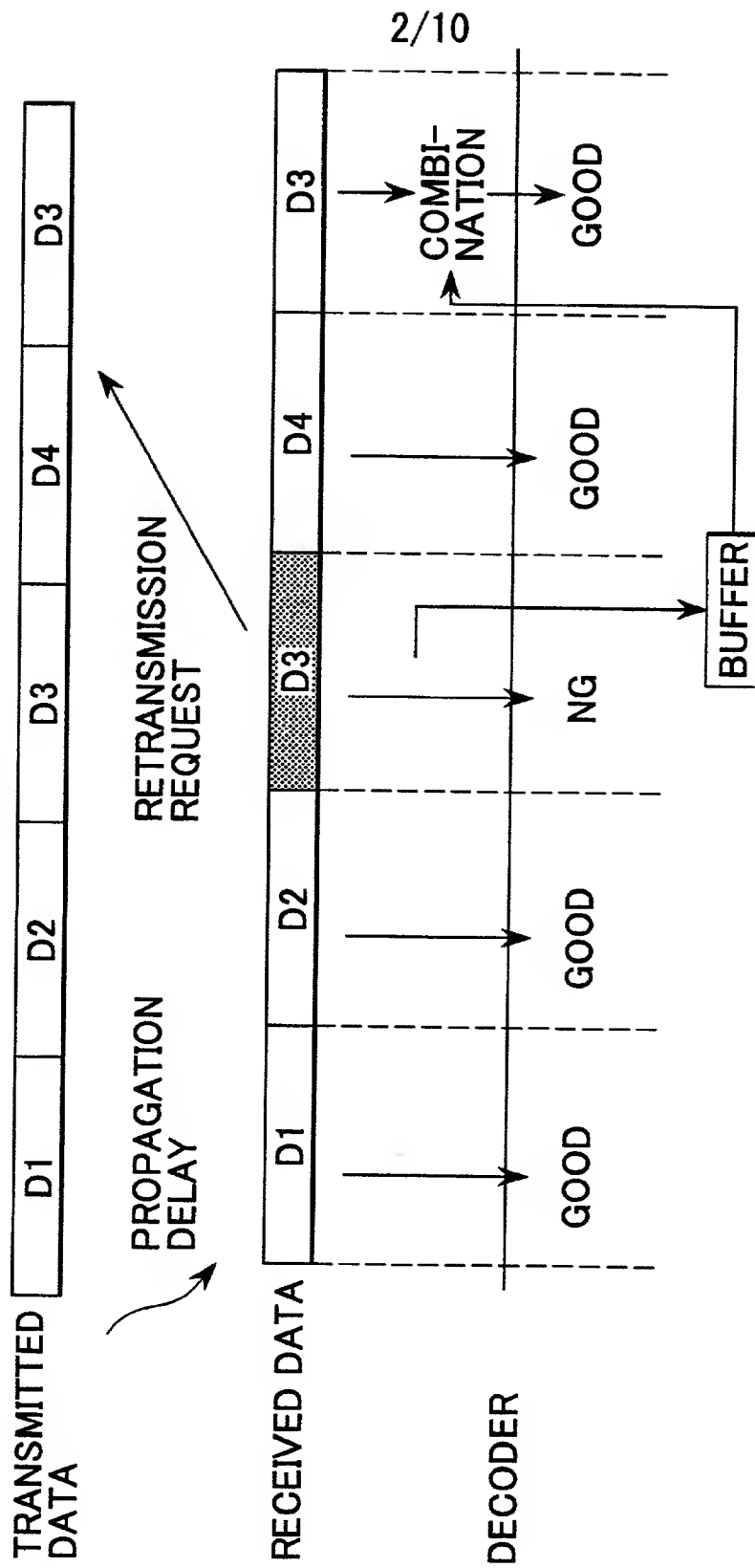


FIG.3A

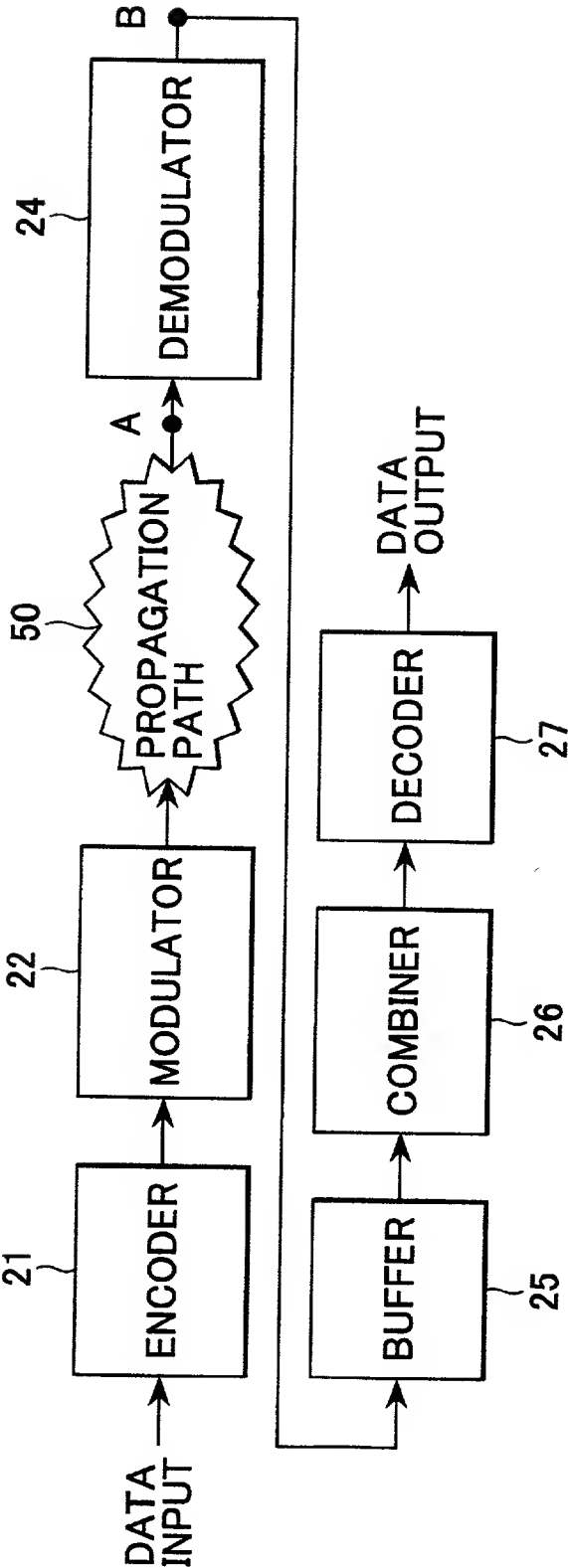


FIG.3B

MODULATION METHOD	A	B
QPSK	2(I.Q)	2 bit
8QAM	2(I.Q)	3 bit
16QAM	2(I.Q)	4 bit
64QAM	2(I.Q)	6 bit

FIG. 4

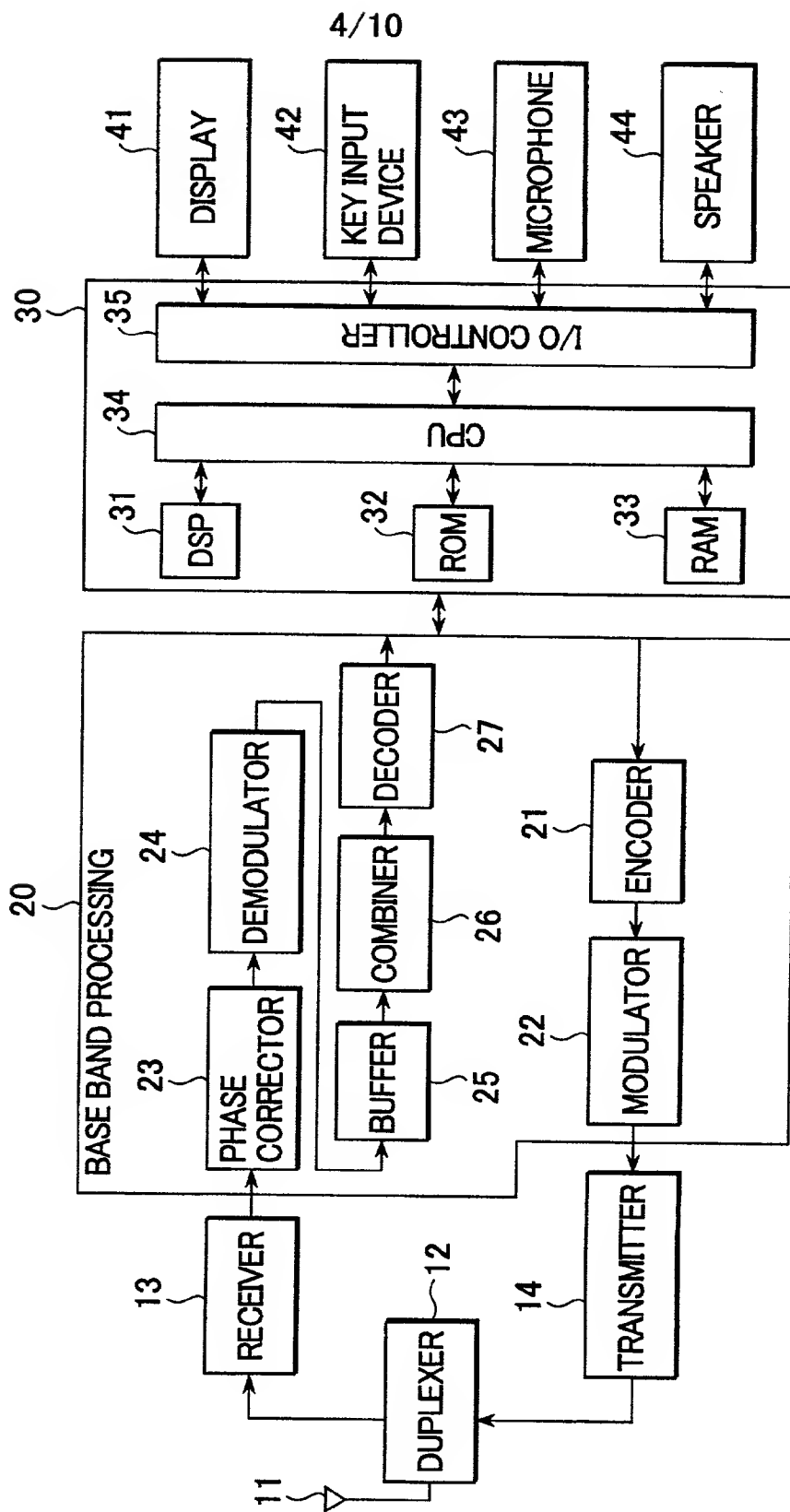


FIG. 5A

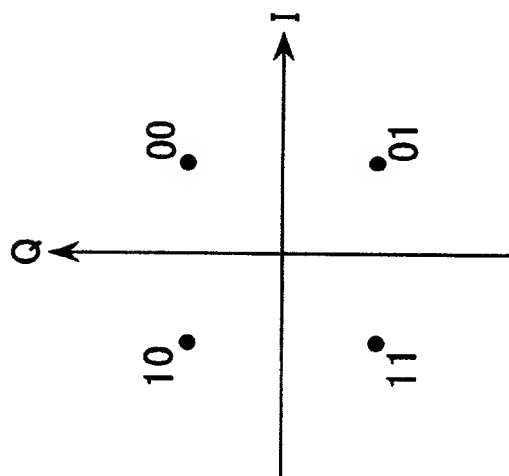


FIG. 5A

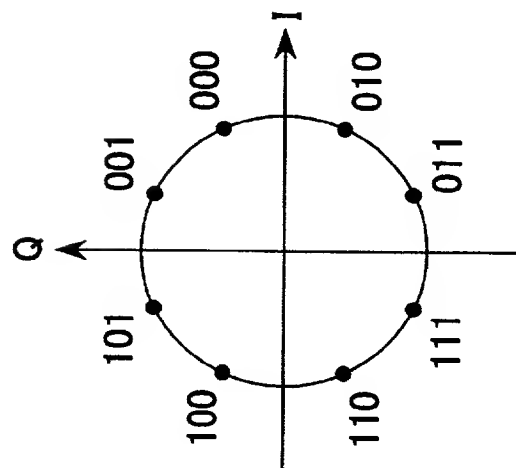


FIG. 5A

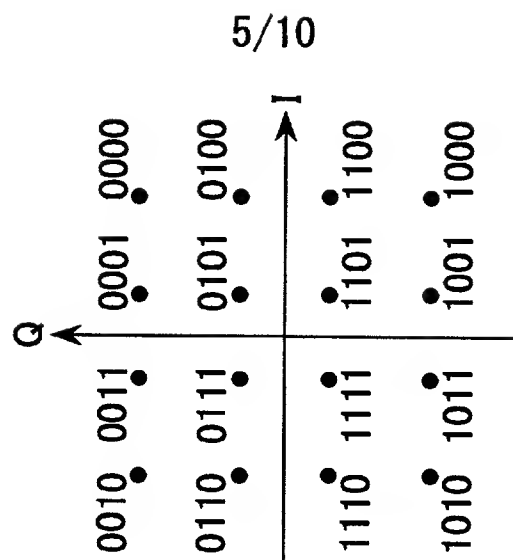


FIG.6

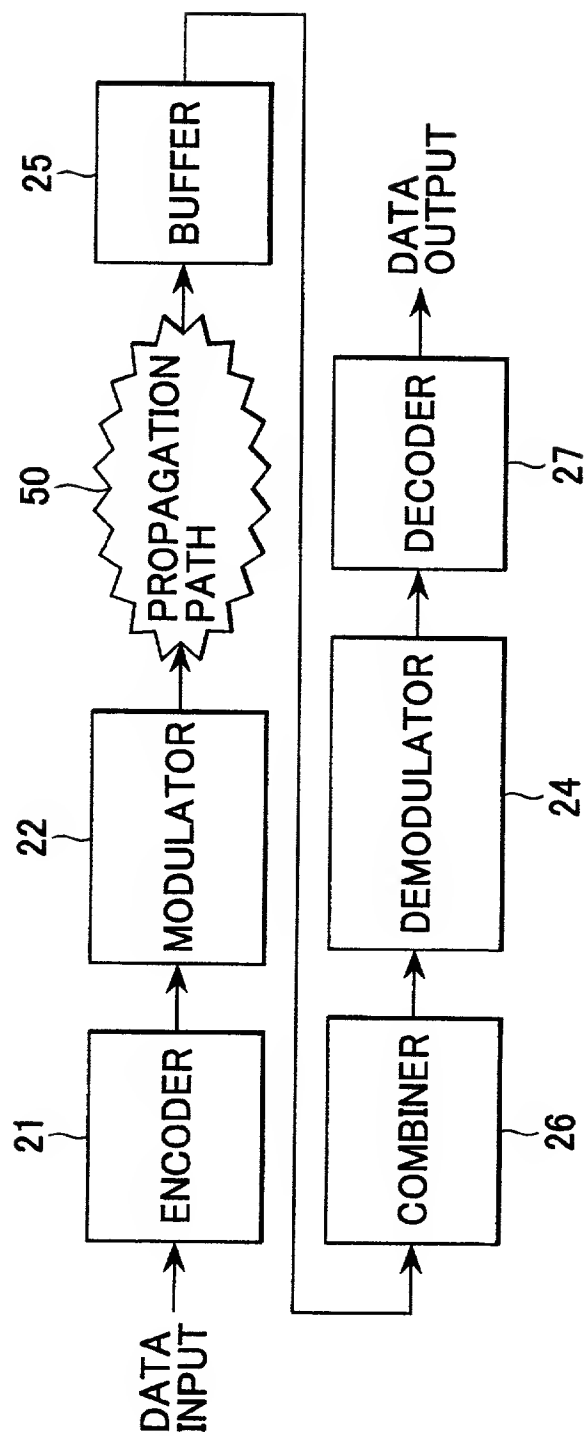


FIG. 7

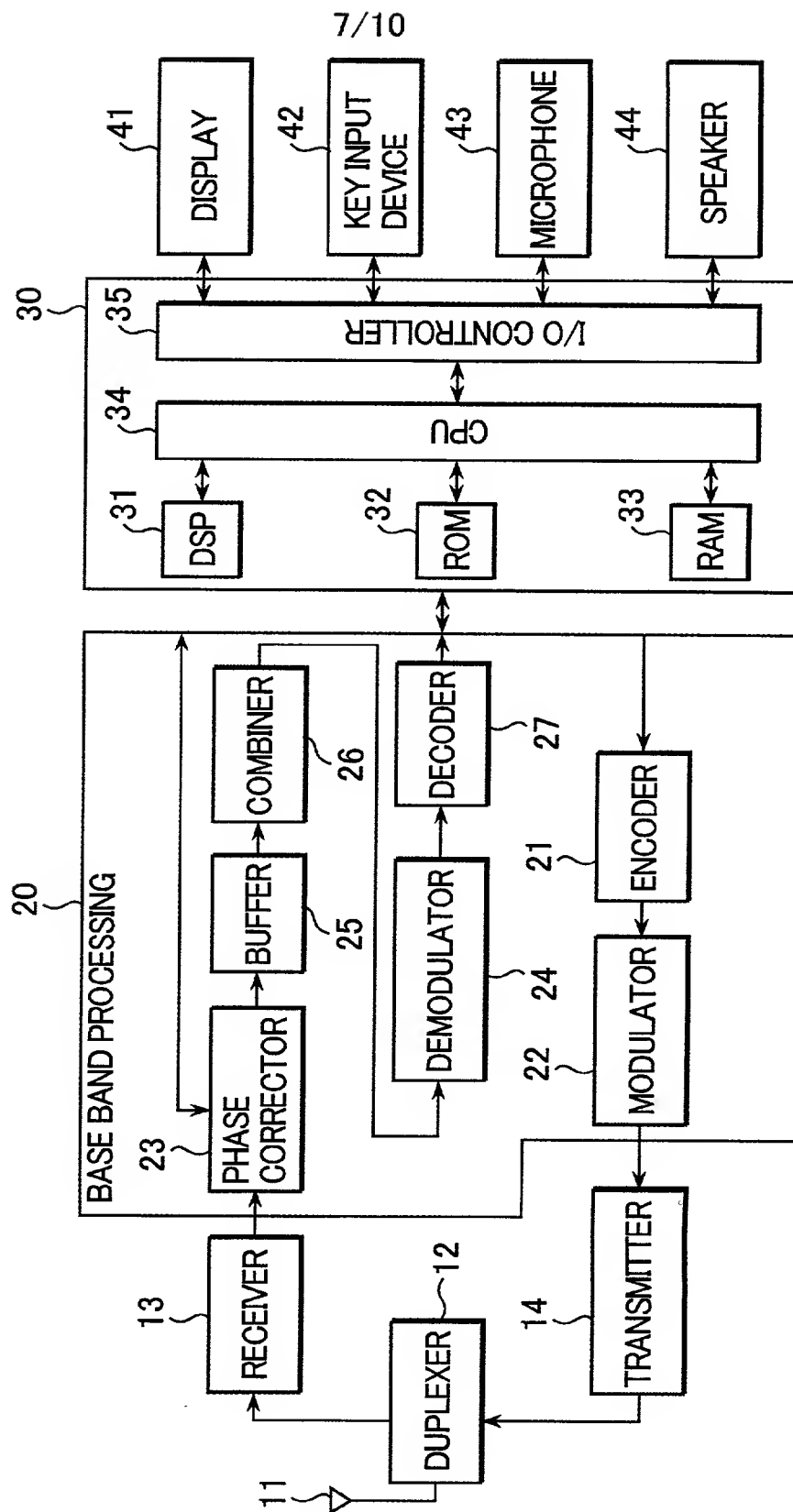


FIG.8

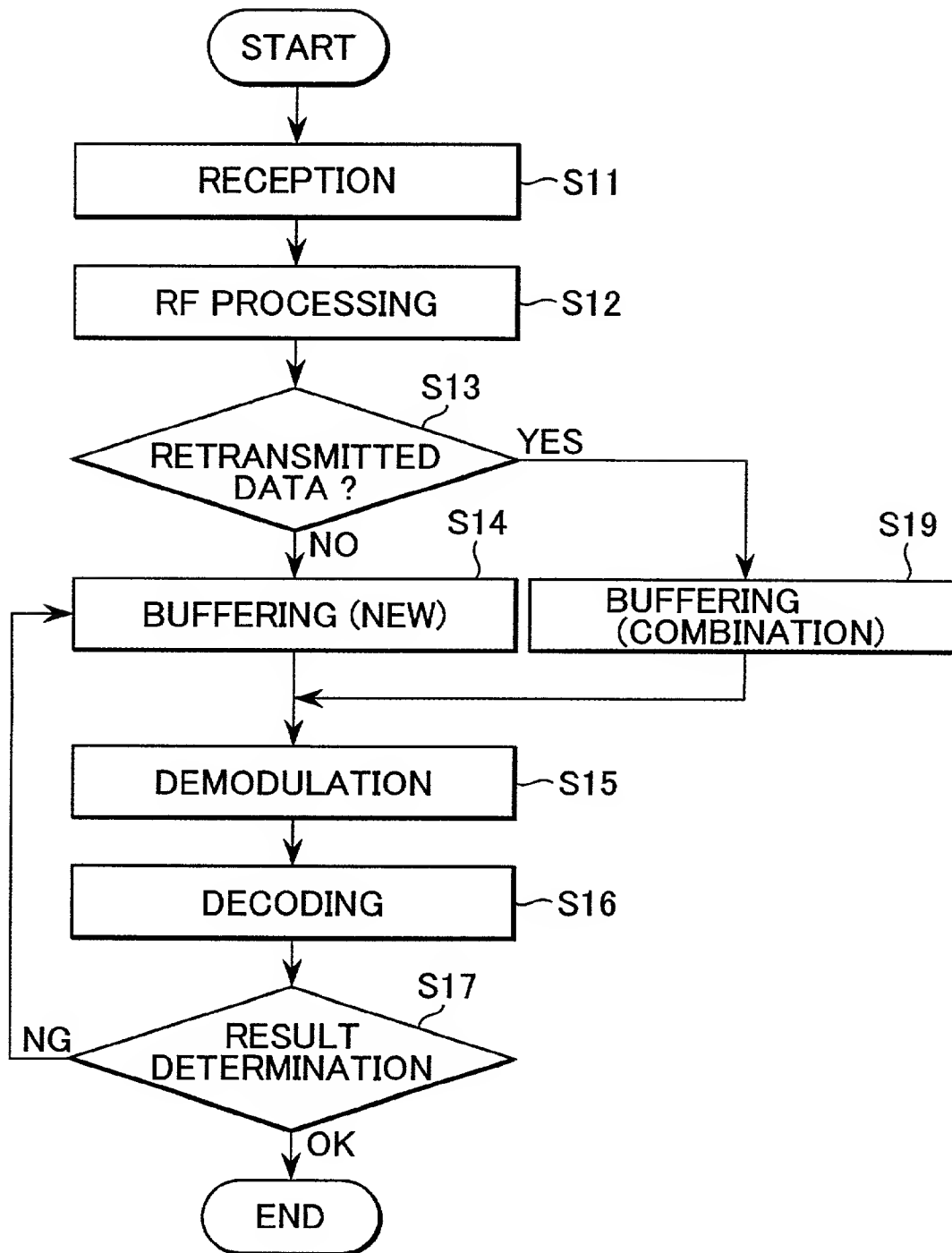




FIG. 9

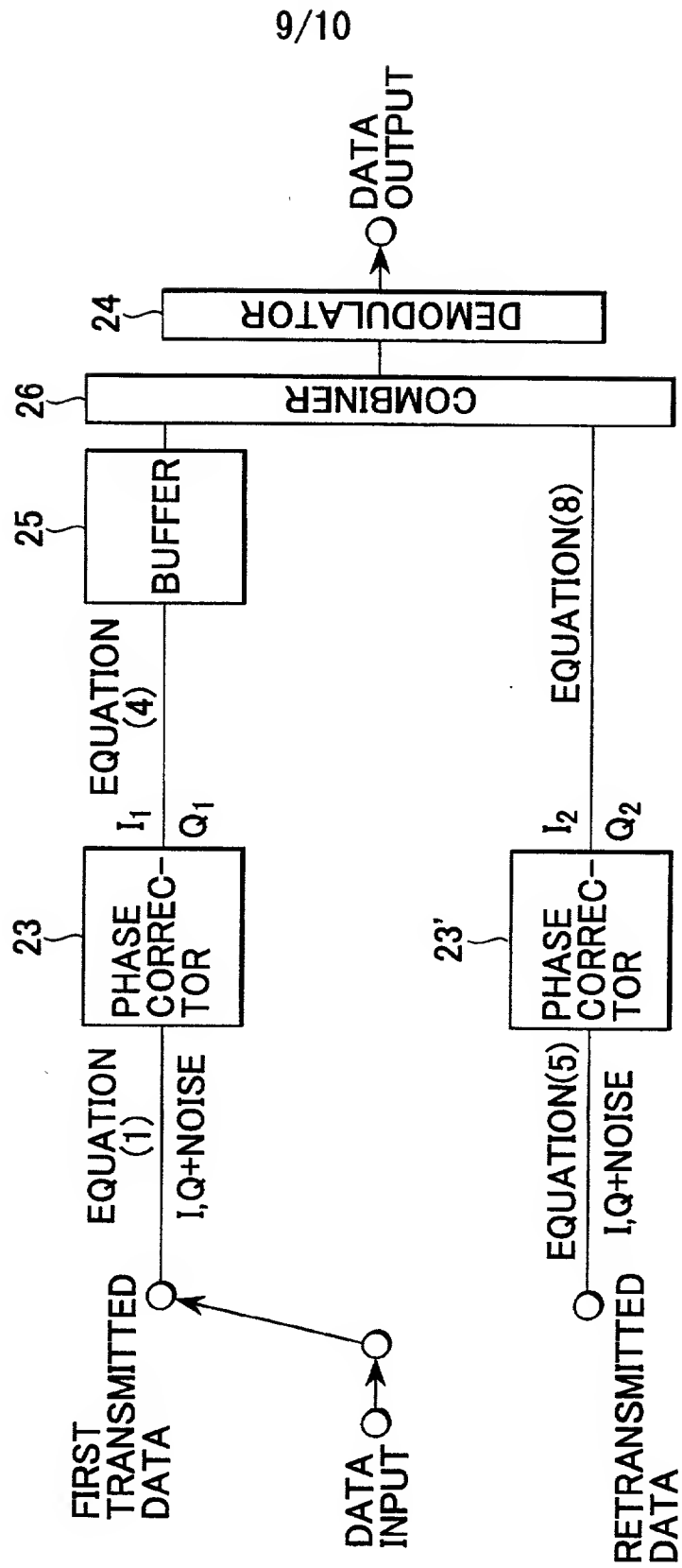
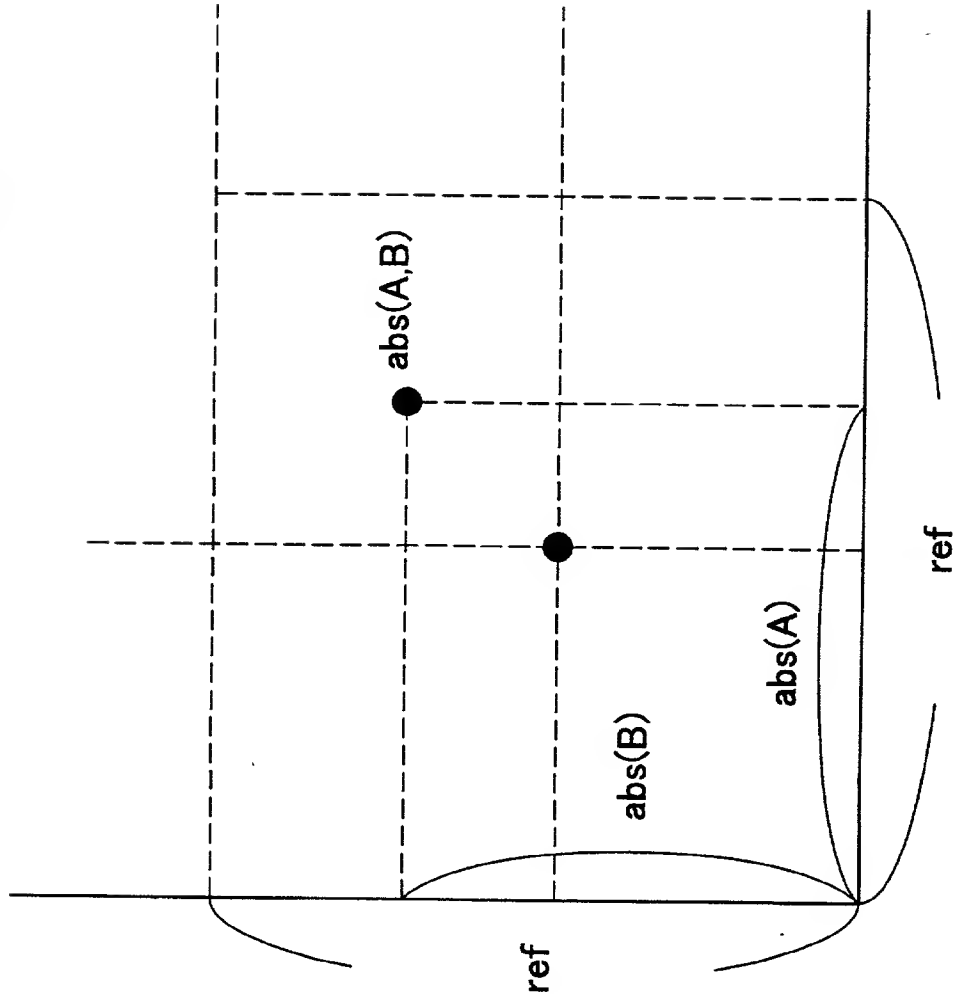


FIG.10



$$b0 = B$$

$$b1 = abs(B) - ref$$

$$b2 = A$$

$$b3 = abs(A) - ref$$